

AbstractLOW-COST LIQUID DROPLET SPRAY DEVICE AND NOZZLE BODY

The invention concerns a nozzle body (1) for a liquid droplet spray device for atomising a high viscous liquid substance such as perfume. A first and second substrate enclose a space for containing the liquid substance. Outlet means are arranged in the second substrate (4) and comprise at least one outlet nozzle (19) and at least one output channel (20), said output channel (20) having straight side-walls.

Each output channel (20) has a stepped shape having a wider portion (20a) and a thinner portion (20b), the wider portion being arranged adjacent the space (3). The thinner portion (20b) contains a protrusion section (20c) protruding beyond the top surface of the second substrate (4) such that the exterior side wall of the protrusion section (20c) is at a substantially straight angle with respect to the top surface of the second substrate (4).

Figure 4